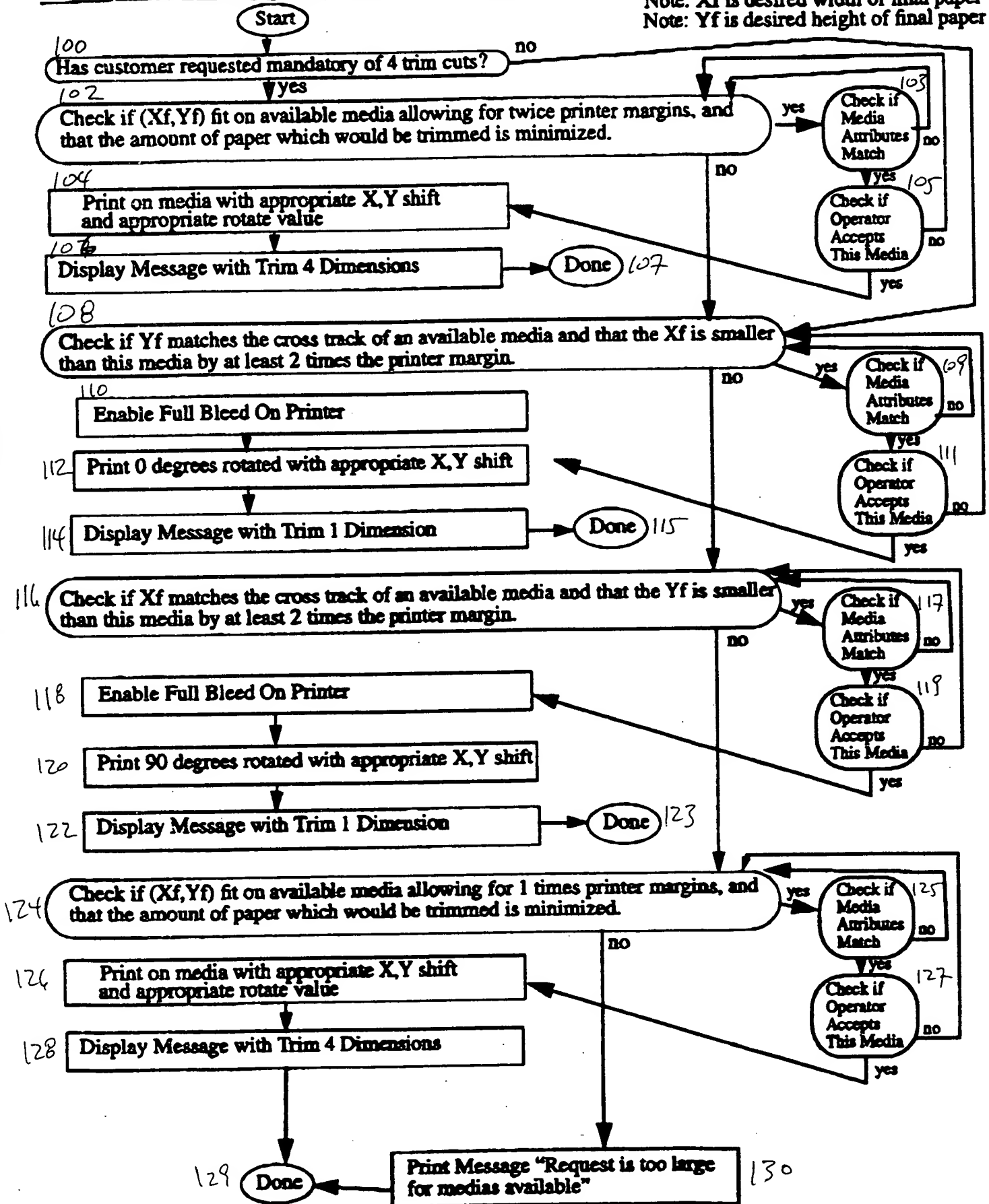Fig 1

Fig 2

Flow chart for Selecting Paper Size For Simplex

Note: Xf is desired width of final paper
Note: Yf is desired height of final paper

```
                    ( Start )
                       |
100  Has customer requested mandatory of 4 trim cuts? ──── no
                       | yes
102  Check if (Xf,Yf) fit on available media allowing for twice printer margins, and    yes ──▶ 103 Check if Media Attributes Match ── no
     that the amount of paper which would be trimmed is minimized.          no
                       |                                         yes
104  Print on media with appropriate X,Y shift        ◀──      105 Check if Operator Accepts This Media ── no
     and appropriate rotate value
                       |                                              yes
106  Display Message with Trim 4 Dimensions ──▶ ( Done ) 107

108  Check if Yf matches the cross track of an available media and that the Xf is smaller    yes ──▶ 109 Check if Media Attributes Match ── no
     than this media by at least 2 times the printer margin.          no
                       |                                         yes
110  Enable Full Bleed On Printer                                 111 Check if Operator Accepts This Media ── no
                       |
112  Print 0 degrees rotated with appropriate X,Y shift  ◀──         yes
                       |
114  Display Message with Trim 1 Dimension ──▶ ( Done ) 115

116  Check if Xf matches the cross track of an available media and that the Yf is smaller    yes ──▶ 117 Check if Media Attributes Match ── no
     than this media by at least 2 times the printer margin.          no
                       |                                         yes
118  Enable Full Bleed On Printer                                 119 Check if Operator Accepts This Media ── no
                       |
120  Print 90 degrees rotated with appropriate X,Y shift ◀──        yes
                       |
122  Display Message with Trim 1 Dimension ──▶ ( Done ) 123

124  Check if (Xf,Yf) fit on available media allowing for 1 times printer margins, and    yes ──▶ 125 Check if Media Attributes Match ── no
     that the amount of paper which would be trimmed is minimized.          no
                       |                                         yes
126  Print on media with appropriate X,Y shift         ◀──       127 Check if Operator Accepts This Media ── no
     and appropriate rotate value
                       |                                              yes
128  Display Message with Trim 4 Dimensions
                       |
129  ( Done ) ◀── 130 Print Message "Request is too large for medias available"
```

Fig. 3

/home/earth/Work/DEV/patent/Trim.fm

Flow chart for Selecting Paper Size For Duplex

Note: Xf is desired width of final paper
Note: Yf is desired height of final paper

Start

200 — Has customer requested mandatory of 4 trim cuts? — yes

no

202 — Check if Xf matches the cross track of an available media and that the Yf is smaller than this media by at least 2 times the printer margin.

no

203 — Check if Media Attributes Match — yes / no

205 — Check if Operator Accepts This Media — yes / no

204 — Enable Full Bleed On Printer

206 — Print 90 degrees rotated with appropriate X,Y shift

208 — Display Message with Trim 2 Dimensions → 209 Done

210 — Check if Yf matches the cross track of an available media and that the Xf is smaller than this media by at least 2 times the printer margin.

no

211 — Check if Media Attributes Match — yes / no

213 — Check if Operator Accepts This Media — yes / no

212 — Enable Full Bleed On Printer

214 — Print 0 degrees rotated with appropriate X,Y shift

216 — Display Message with Trim 2 Dimensions → 217 Done

220 — Check if (Xf,Yf) fit on available media allowing for twice printer margins, and that the amount of paper which would be trimmed is minimized.

no

221 — Check if Media Attributes Match — yes / no

223 — Check if Operator Accepts This Media — yes / no

222 — Print on media with appropriate X,Y shift and appropriate rotate value

224 — Display Message with Trim 4 Dimensions

225 — Done

230 — Print Message "Request is too large for medias available"